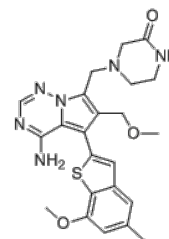


Product Name : Rogaratinib
Cat. No. : PC-61963
CAS No. : 1443530-05-9
Molecular Formula : C₂₃H₂₆N₆O₃S
Molecular Weight : 466.56
Target : FGFR
Solubility : 10 mM in DMSO (Ultrasonic needed)



Biological Activity

Rogaratinib (BAY 1163877) is a potent, selective, orally available **pan-FGFR** with IC₅₀ of 15, <1, 19 and 33 nM for FGFR1, 2, 3 and 4, respectively.

BAY 1163877 weakly inhibits VEGFR2 with IC₅₀ of 120 nM, exhibits K_i of 1.6, 5.0, 7.8 and 7.6 nM for FGFR1, 2, 3 and 4 in competition binding assay, no significant affinity for VEGFR2 (19% inhibition at 100 nM).

BAY 1163877 inhibits FGFb-stimulated HUVEC proliferation with IC₅₀ of 16 nM, 28-fold selectivity over VEGF-stimulated.

BAY 1163877 demonstrates tumor growth reduction in pre-clinical models bearing different FGFR alterations both in mono- and combination therapy.

References

Kim SM, et al. *Oncogenesis*. 2016 Jul 18;5(7):e241.

Collin MP, et al. *ChemMedChem*. 2018 Feb 16. doi: 10.1002/cmdc.201700718.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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